

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

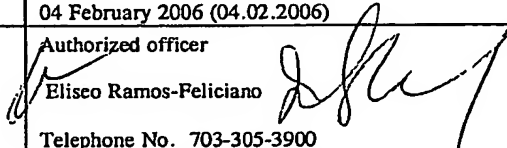
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

REC'D 20 FEB 2006

WIPO

PCT

Applicant's or agent's file reference 139381WO	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No. PCT/US05/13826	International filing date (day/month/year) 21 April 2005 (21.04.2005)	Priority date (day/month/year) 21 April 2004 (21.04.2004)	
International Patent Classification (IPC) or national classification and IPC IPC(7): H04Q 7/20 and US Cl.: 455/445			
Applicant ALCATEL WIRELESS, INC.			
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:</p> <p style="margin-left: 40px;"><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p style="margin-left: 40px;"><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>			
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>			
Date of submission of the demand 02 December 2005 (02.12.2005)		Date of completion of this report 04 February 2006 (04.02.2006)	
Name and mailing address of the IPEA/ US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer  Eliseo Ramos-Feliciano Telephone No. 703-305-3900	

Form PCT/IPEA/409 (cover sheet)(April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/US05/13826

Box No. I Basis of the report

1. With regard to the language, this report is based on:

- ☐ the international application in the language in which it was filed.
- ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
- ☐ publication of the international application (under Rule 12.4(a))
- ☐ international preliminary examination (under Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☒ the international application as originally filed/furnished
- ☒ the description:
pages 1-17 as originally filed/furnished
pages* NONE received by this Authority on _____
pages* NONE received by this Authority on _____
- ☒ the claims:
pages 18-20 as originally filed/furnished
pages* NONE as amended (together with any statement) under Article 19
pages* NONE received by this Authority on _____
pages* NONE received by this Authority on _____
- ☒ the drawings:
pages 1-6 as originally filed/furnished
pages* NONE received by this Authority on _____
pages* NONE received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☒ The amendments have resulted in the cancellation of:

- ☒ the description, pages NONE _____
- ☒ the claims, Nos. NONE _____
- ☒ the drawings, sheets/figs NONE _____
- ☒ the sequence listing (*specify*): NONE _____
- ☒ any table(s) related to the sequence listing (*specify*): NONE _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/US05/13826

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>11-20</u>	YES
	Claims <u>1-10</u>	NO
Inventive Step (IS)	Claims <u>NONE</u>	YES
	Claims <u>1-20</u>	NO
Industrial Applicability (IA)	Claims <u>1-20</u>	YES
	Claims <u>NONE</u>	NO

2. Citations and Explanations (Rule 70.7)

Claims 1-10 lack novelty under PCT Article 33(2) as being anticipated by Houde et al. (US Patent Number 5,978,678).
Regarding claim 1, Houde et al. discloses a method for routing calls in a distributed mobile switching center environment (Figure 1), the method comprising:
receiving a call (incoming call) at a first node in a telecommunication network (switch - Figure 1), the first node associated with a plurality of trunks;
identifying a constraint ("location") relating to selection of a circuit associated with one of the plurality of trunks associated with the first node for routing the call; and
routing the call to a trunk (e.g. local directory number) in accordance with the constraint (location: Canada or France). See abstract, column 2, lines 20-55, and column 6, lines 5-53.
Regarding claims 2-8, everything claimed as explained above (see claim 1). In addition, Houde et al. discloses wherein the first node comprises one of a plurality of nodes (switches) operable to handle bearer traffic, each of the plurality of nodes operating under control of a server (register and/or gateway) using signaling traffic associated with the bearer traffic.
The constraint relates to one of a preference or a restriction against routing the call through an interconnection with another of the plurality of nodes. In this case, for example, "preference" because of location.
The constraint is defined in a set of routing rules based on data relating to the call (abstract).
The server controls routing of the call to a trunk (local directory number).
The preference includes: selecting a circuit associated with the first node for routing the call if a circuit associated with the first node is available; and allowing use of a circuit associated with a particular other one of the plurality of nodes through an interconnection with the particular one of the plurality of nodes if a circuit associated with the first node is not available.
The restriction comprises precluding selection of a circuit associated with one of the plurality of nodes other than the first node. For example, in user is located in France, Canadian nodes are precluded from selection.
Each of the plurality of trunks is associated with a plurality of circuits, and each node is associated with at least one circuit for each trunk. See abstract, column 2, lines 20-55, and column 6, lines 5-53.
Regarding claims 9-10, everything claimed as explained above (see claim 1). In addition, Houde et al. discloses wherein at least two of the nodes serve an overlapping geographical area; or wherein at least two of the nodes serve different geographical areas. See Figure 1 of Houde et al.
Claims 11-20 lack an inventive step under PCT Article 33(3) as being obvious over Houde et al. (US Patent Number 5,978,678).
Regarding claims 11-20, they are obvious variations of claims 1-10. Therefore same explanation presented above is applied.

----- NEW CITATIONS -----